

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02734-0442-02000	Serial No.	Unassigned
Applicant	Steven L. EDWARDS et al.		
Filing Date	November 14, 2001	Group:	Unassigned

JC979 U.S. PTO
 09/981248
 11/14/01

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	3,301,746	01/31/67	Sanford et al.			
	3,434,918	03/25/69	Bernardin			
	3,545,705	12/08/70	Hodgson			
	3,549,742	12/22/70	Benz			
	3,556,932	01/19/71	Coscia et al.			
	3,556,933	01/19/71	Williams et al.			
	3,620,911	11/16/71	Eklune et al.			
	3,700,623	11/24/72	Keim			
	3,755,220	08/28/73	Freimark et al.			
	3,772,076	11/13/73	Keim			
	3,812,000	5/21/74	Salvucci, Jr. et al.			
	3,819,470	06/25/74	Shaw et al.			
	3,821,068	06/28/74	Shaw			
	3,858,623	01/07/75	Lefkowitz			
	3,905,863	09/16/75	Ayers			
	3,926,716	12/16/75	Bates			
	3,974,025	08/10/76	Ayers			
	3,994,771	11/30/76	Morgan, Jr. et al.			
	4,041,989	08/16/77	Johansson et al.			
	4,064,213	12/20/77	Lazorisak et al.			
	4,071,050	01/31/78	Codorniu			
	4,094,718	01/13/78	Czerwin			
	4,112,982	09/12/78	Bugge et al.			
	4,149,571	04/17/79	Burroughs			
	4,157,276	06/05/79	Wandel et al.			
	4,161,195	07/17/79	Khan			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02734-0442-02000	Serial No.	Unassigned
Applicant	Steven L. EDWARDS et al.		
Filing Date	November 14, 2001	Group:	Unassigned

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	4,182,381	01/08/80	Gisbourne			
	4,184,519	01/22/80	McDonald et al.			
	4,191,609	03/04/80	Trokhan			
	4,204,504	05/27/80	Dabrio			
	4,239,065	12/16/80	Trokhan			
	4,300,981	11/17/81	Carstens			
	4,304,625	12/08/81	Grube et al.			
	4,314,589	02/09/82	Buchanan et al.			
	4,359,069	11/16/82	Hahn			
	4,376,455	03/15/83	Hahn			
	4,379,735	04/12/83	MacBean			
	4,431,481	02/14/84	Drach et al.			
	4,440,597	04/03/84	Wells et al.			
	4,440,898	04/03/84	Pomplun et al.			
	4,456,573	06/26/84	Ragazzini et al.			
	4,501,640	02/26/85	Soerens			
	4,514,345	04/30/85	Johnson et al.			
	4,528,316	07/09/85	Soerens			
	4,528,339	07/09/85	Coleman, III et al.			
	4,529,480	07/16/85	Trokham			
	4,533,457	08/06/85	Watanabe			
	4,564,052	01/14/86	Borel			
	4,592,395	06/03/86	Borel			
	4,605,585	08/12/86	Johansson			
	4,611,639	09/16/86	Bugge			
	4,625,376	12/02/86	Schiel et al.			
	4,637,859	01/20/87	Trokhan			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02734-0442-02000	Serial No.	Unassigned	09/05/98
Applicant	Steven L. EDWARDS et al.			
Filing Date	November 14, 2001	Group:	Unassigned	

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
M	4,640,741	02/03/87	Tsuneo			
	4,673,461	06/16/87	Roerig et al.			
	4,684,439	08/04/87	Soerens			
	4,709,732	12/01/87	Kinnunen			
	4,702,383	01/19/88	Drach et al.			
	4,759,391	07/26/88	Waldvogel et al			
	4,759,976	07/26/88	Dutt			
	4,788,243	11/29/88	Soerens			
	4,883,564	11/28/89	Chen et al.			
	4,886,579	12/12/89	Clark et al.			
	4,942,077	07/17/90	Wendt et al.			
	4,973,384	11/27/90	Crouse et al.			
	4,973,512	11/27/90	Stanley et al.			
	4,976,085	12/11/90	Krueger			
	4,998,568	03/12/91	Vohringer			
	5,016,678	05/21/91	Borel et al.			
	5,023,132	06/11/91	Stanley et al.			
	5,025,046	06/18/91	Soerens			
	5,054,525	10/08/91	Vohringer			
	5,066,532	11/19/91	Gaisser			
V	5,087,324	02/11/92	Awofeso et al.			
	5,098,519	03/24/92	Ramasubramanian			
	5,103,874	04/14/92	Lee			
	5,114,777	05/19/92	Gaisser			
	5,167,261	12/01/92	Lee			
	5,167,768	01/01/92	Cronin et al.			
	5,182,164	01/26/93	Eklund et al.			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02734-0442-02000	Serial No.	Unassigned	07/987,248
Applicant	Steven L. EDWARDS et al.			
Filing Date	November 14, 2001	Group:	Unassigned	

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
u		5,199,467	04/06/93	Lee			
		5,211,815	05/18/93	Ramasubramanian			
		5,219,004	06/15/93	Chiu			
		5,223,096	06/29/93	Phan et al.			
		5,225,269	07/06/93	Bohlin			
		5,245,025	09/14/93	Trokhan et al.			
		5,246,544	09/21/93	Hollenberg et al.			
		5,260,171	11/09/93	Smurkoski et al.			
		5,262,007	11/16/93	Phan et al.			
		5,264,082	11/23/93	Phan et al.			
		5,275,799	01/04/94	Keijsper et al.			
		5,277,761	01/11/94	Van Phan et al.			
		5,281,307	01/25/94	Smigo et al.			
		5,312,522	05/17/94	Van Phan et al.			
		5,320,710	06/14/94	Reeves et al.			
		5,326,434	07/05/94	Carevic et al.			
		5,328,565	07/12/94	Rasch et al.			
		5,328,569	07/12/94	Cronin			
		5,334,289	08/02/94	Trokhan et al.			
		5,348,620	09/20/94	Hermans et al.			
		5,364,504	11/15/94	Smurkoski et al.			
		5,368,696	11/29/94	Cunnane, III et al.			
		5,372,876	12/13/94	Johnson et al.			
		5,374,334	12/20/94	Sommese et al.			
		5,379,808	01/10/95	Chiu			
		5,382,323	01/17/95	Furman, Jr. et al.			
		5,415,737	05/16/95	Phan et al.			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02734-0442-02000	Serial No.	Unassigned	09/05/97, 12/98
Applicant	Steven L. EDWARDS et al.			
Filing Date	November 14, 2001	Group:	Unassigned	

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
<i>[Handwritten mark]</i>	5,429,686	07/04/95	Chiu et al.			
	5,456,293	10/10/95	Ostermayer et al.			
	5,569,358	10/29/96	Cameron			
	5,591,305	07/07/97	Cameron			
	5,618,612	04/08/97	Gstrein			
	5,657,797	08/19/97	Townley et al.			
	5,693,186	12/02/97	Vallius			
	5,732,876	03/31/98	Bradford			
	5,776,307	07/07/98	Ampulski et al.			
	5,855,739	01/05/99	Ampulski et al.			
	4,324,613	04/13/82	Wahren			
	4,568,423	02/04/86	Laapotti			
	4,576,682	03/18/86	Laapotti			
	4,586,984	05/06/86	Laapotti			
	B2-4,713,147	11/04/97	Saarinen			
	4,713,147	12/15/87	Saarinen			
	4,788,779	12/06/88	Sparkes			
	4,917,767	04/17/90	Ilmarinen et al.			
	4,917,768	04/17/90	Ilmarinen			
	4,931,142	06/05/90	Steiner et al.			
	4,976,820	12/11/90	Laapotti			
	4,976,821	12/11/90	Laapotti			
	5,043,046	08/27/91	Laapotti			
	5,071,513	12/10/91	Bluhm et al.			
	5,074,019	12/24/91	Link			
	5,084,137	01/28/92	Ilmarinen et al.			
	5,092,962	03/03/92	Koski			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02734-0442-02000	Serial No.	Unassigned	21977,243
Applicant	Steven L. EDWARDS et al.			
Filing Date	November 14, 2001	Group:	Unassigned	

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,098,523	03/24/92	Ilmarinen et al.			
	5,101,574	04/07/92	Orloff et al.			
	5,110,417	05/05/92	Lehtonen et al.			
	5,141,601	08/25/92	Karisson et al.			
	5,164,047	11/17/92	Koski			
	5,262,011	11/16/93	Ilmarinen			
	5,272,821	12/28/93	Orloff et al.			
	5,302,252	04/12/94	Götz			
	5,327,661	07/12/94	Orloff			
	5,353,521	10/11/94	Orloff			
	5,355,593	10/18/94	Kotitschke			
	5,389,205	02/14/95	Pajula et al.			
	5,393,384	02/28/95	Steiner et al.			
	5,423,949	06/13/95	Ilmarinen			
	5,431,785	07/11/95	Bubik et al.			
	5,431,787	07/11/95	Braun et al.			
	5,496,442	03/05/96	Laapotti			
	5,500,092	03/19/96	Schiel			
	5,507,223	04/16/96	Vallius			
	5,547,547	08/20/96	Bengtsson			
	5,552,959	09/03/96	Penniman et al.			
	5,556,511	09/17/96	Bluhm et al.			
	5,582,689	12/10/96	Van Haag et al.			
	5,609,726	03/11/97	Sollinger			
	5,611,893	03/18/97	Pajula et al.			
	5,620,566	04/15/97	Holopainen			
	5,639,351	06/17/97	Ilmarinan			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02734-0442-02000	Serial No.	Unassigned	07/15/97, 24E
Applicant	Steven L. EDWARDS et al.			
Filing Date	November 14, 2001	Group:	Unassigned	

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
J	5,645,691	07/08/97	Zuefle et al.	S		
	5,650,049	07/22/97	Kivimaa et al.			
	5,670,023	09/23/97	Steiner et al.			
	5,688,375	11/18/97	Schiel			
	5,795,440	08/18/98	Ampulski et al.			
	5,861,082	01/19/99	Ampulski et al.			
	5,904,811	05/18/99	Ampulski et al.			
	5,897,745	04/27/99	Ampulski et al.			

FOREIGN PATENT DOCUMENTS						
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
J	WO97/43483	11/20/97	WIPO	S		
	WO95/33885	12/14/95	WIPO			
	WO97/13030	04/10/97	WIPO			
	WO97/15718	05/01/97	WIPO			
	WO97/16593	05/09/97	WIPO			
	DE196 54198 A1	06/25/98	Germany			
	EP 0 854 232	07/22/88	European			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
J	"Chemical Systems Boost Dry Content", PPI, February , 1989, p.41
	Busker in Tappi, Vol. 54, No. 3, P. 373 (1971)
	"New Pressing Technologies for Multiply Board" by J. Breiten in the 81 st Annual Meeting, Technical Section, CPPA, p. A137
	Egan, J. Am Oil Chemists Soc., Vol. 55 (1978) pp. 118-121
	M. Radtke, 79 th Annual Meeting, Technical Section, CPPA, p. A221
	D. Lange and M. Radtke, Papermaker, July 1996, p. 16

* Not Dated

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02734-0442-02000	Serial No.	Unassigned	cy/287, 288
Applicant	Steven L. EDWARDS et al.			
Filing Date	November 14, 2001	Group:	Unassigned	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Nissan in Tappi, Vol. 37, No. 12, p. 597 (1954)
Trivedi et al., J. Am Oil Chemists Soc., (June 1981) pp. 754-756
Sweet, J.S. Pulp & Paper Mag. Can., 62, No. 7: T367 (1961)
Cellulose Chemistry and Technology, Westfelt, Vol. 13, p. 813, (1979)
Helier, M. MacGregor, W. Bliesner, Paper Technology & Industry, p. 154, June 1975
J. Kinnunen and A. Kiviranta, Paperi Ja Puu-Paper and Timber, Vol. 74, No. 4, (1992), p. 314
Evans, Chemistry & Industry, 5/July 1969, pp. 893-903
"Modern Technologies in Pressing & Drying" by J. Blackledge in the 2 nd International Pira Conf., Nov 6-8, 1990 p. 1
Chapter 2 of <u>Alkaline-Curing Polymeric Amine-Epichlorohydrin by Espy</u> in Wet Strength Resins and Their Application (L. Chan Editor, 1994)
Michael Kouris, "Dictionary of Paper", 5 th Edition, TAPPI Atlanta, Georgia, p. 236
Schuwerk, "Shoe Presses and Sleeves for Newsprint - Concepts and Initial Operating Experience," <u>PaperAge</u> , December 1997, pp. 30-31, 33-34.
Justus et al., "The Vented-Nip Press," <u>Tappi</u> , Vol. 47, No. 8, August 1964, pp. 493-496.
Aberg, "Shoe Presses, Felts and Belts," <u>Albany International</u> , Vol. 44, No. 1-3, 1996; (originally published in Das Papier No. 6, 1996).
Schuwerk, "Shoe Press Technology - Improvements in Quality and Output," <u>Paper Technology</u> , Shoe Press, April 1999, pp. 35-40.
Roberts, "What Can Beat the Perforated Drum?" <u>PPI</u> , March, 1999, pp 33-34, 36-37.
Slater et al. "The Albany Ventabelt® - Grooved Belt Technology That Works," <u>Albany International</u> , Vol. 45, No. 1-4 (originally presented at 84 th Annual Meeting of the Technical Section, CPPA, January 26-30, 1998).
Madden et al. "Effective Shoe Press Venting," <u>TAPPI Proceedings</u> , 1998 Engineering Conference, pp. 253-265.
Voith-Sulzer Paper Technology, Tissue Flex Catalog, undated, pp. 1-6.

Examiner	<i>Jose A. Fortuna</i>	Date Considered	1-4-02
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
Form PTO 1449		Patent and Trademark Office - U.S. Department of Commerce	

X Consider NO Dated; however